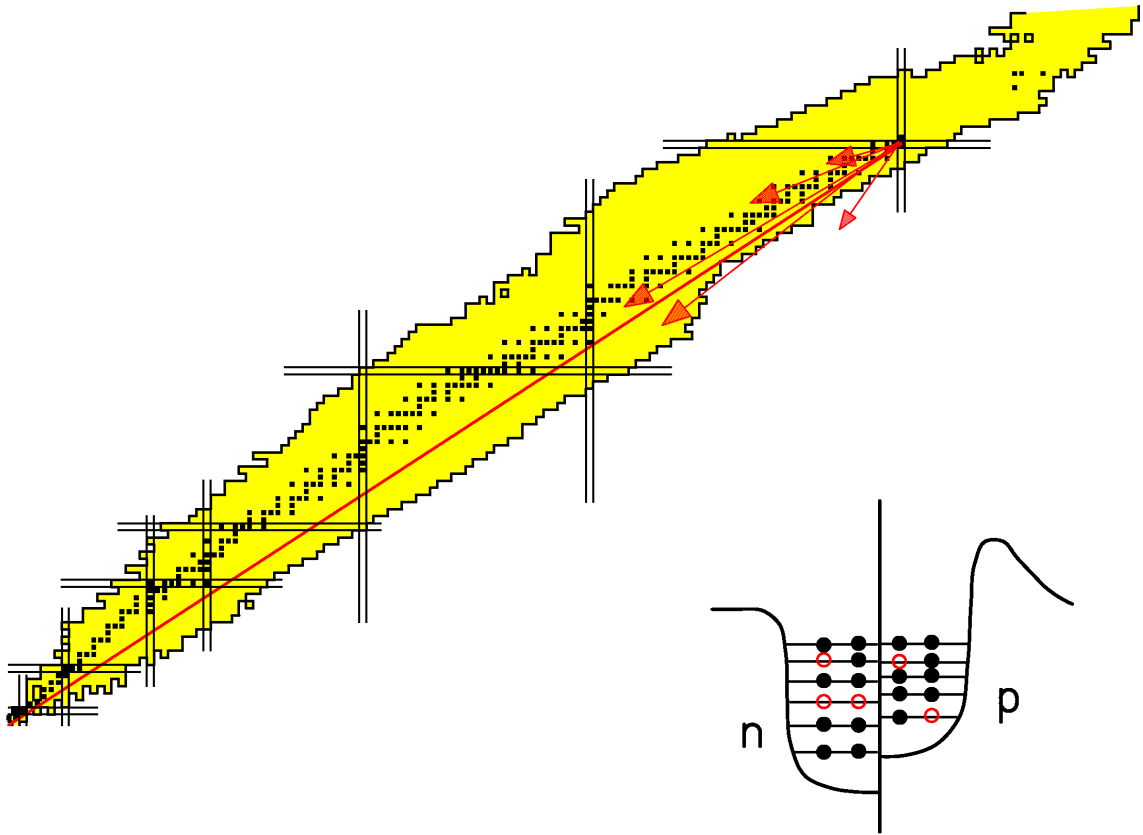


Fragmentation



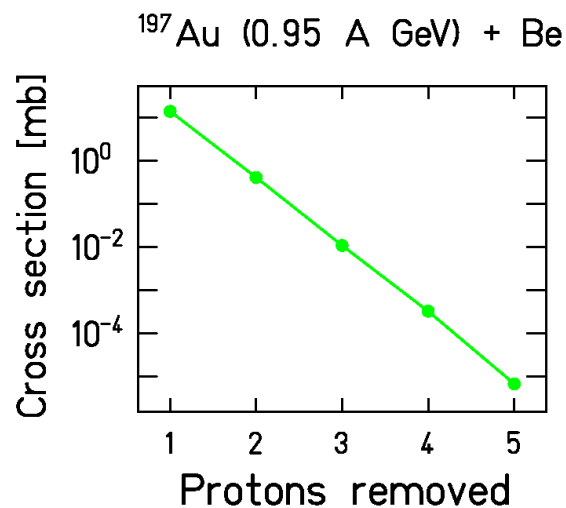
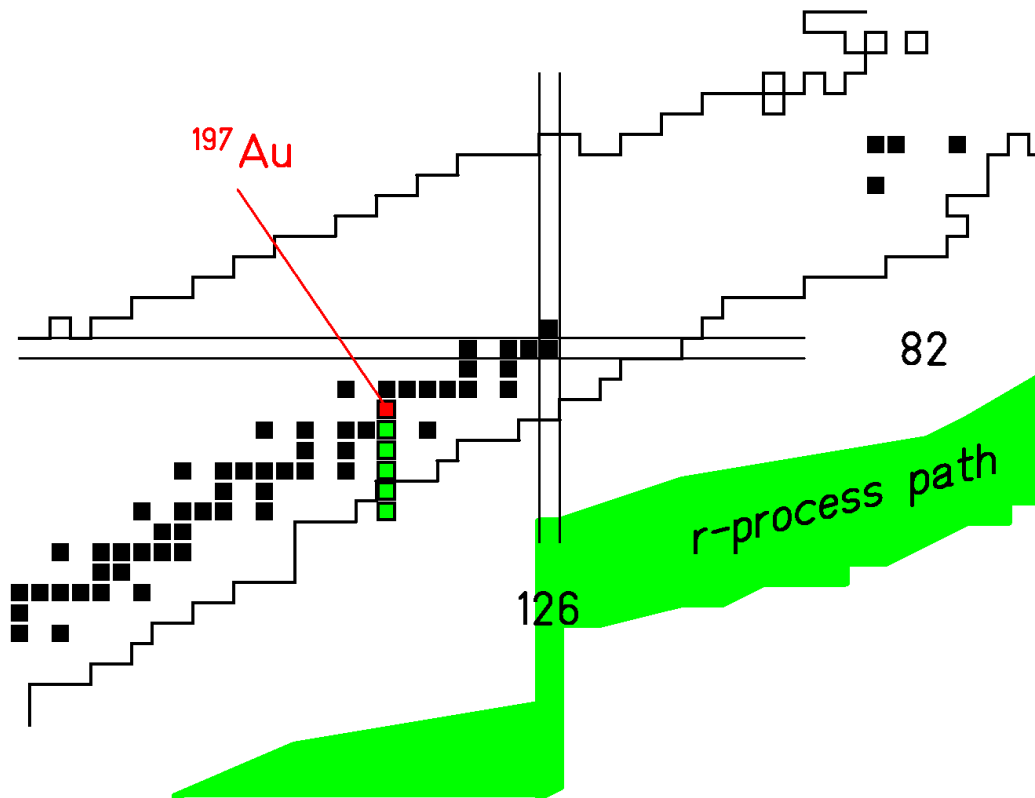
Removal of nucleons in quasi-free nucleon-nucleon collisions.

Basic characteristics:

- **Large fluctuations in N/Z .**
- **Large fluctuations in excitation energy.**

Highly excited fragments lose additional nucleons by evaporation.

Dedicated study of proton-removal channels



Data from J. Benlliure et al., Nucl. Phys. A 660 (1999) 87.

Abrasion of protons only, no evaporation of neutrons
=> "Cold Fragmentation".
Promising results for producing neutron-rich nuclei.